# SECTION I

PRODUCT IDENTIFIER
DATE OF PREPARATION
PRODUCT USE

KLENKS TUB & TILE WHITE ZY8151

JANUARY 8, 1999 PROTECTIVE COATING

MANUFACTURED BY:

ICI PAINTS NORTH AMERICA, 925 EUCLID AVENUE, CLEVELAND, OHIO 44115, U.S.A. ICI PAINTS (CANADA), 8200 KEELE STREET, CCNCORD, ONTARIO L4K 2AS, CANADA.

EMERGENCY AND MSDS TELEPHONE NUMBER: 1-800-545-2643

HSDS PREPARED BY:

PRODUCT SAFETY AND TOXICOLOGY DEPARTMENT

ICI PAINTS NORTH AMERICA

. 0.6. 20.1. 20.7.		
	SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT	
	INGREDIENT	₩T.X:
COMMON NAME :	2-PENTANONE, 4-METHYL- METHYL ISOGUTYL KETONE 108-10-1	5-10
COMMON NAME :	2-PROPANUL, 1-METHOXY-, ACETATE PROPYLENE GLYCOL MONOMETHYL ETHER 108-65-6	5-10 ·
COMMON NAME :	BENZENE, DIMETHYL- XYLENE 1330-20-?	1-5
	TITANIUM OXIDE TITANIUM DIOXIDE 13463-67-7	30-40
CHEMICAL NAME COMMON NAME : CAS NUMBER:	QUARTZ	1-2;
	ALUMINUM HYDROXIDE ALUMINUM HYDROXIDE 21645-51 2	1-5
CHEMICAL NAME	PHENOL, 4,4'(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'((1-METHYLETHYLIDENE)BIS (4,1-PHENYLENEOXYMETHYLENE))RIS(OXIRANE)	2030
COMMON NAME : CAS NUMBER:	EPOXY REGIN 2503625-3	
CHEMICAL NAME COMMON NAME : CAS NUMBER:		.011
CHEMICAL NAME COMMON NAME : CAS NUMBER:	1-BUTANOL, W-METHYL-, ACETATE 2-METHYLWUTYL ETHANOATE 624-41-9	15
	ACETIC ACID, PENTYL ESTER N-AMYL ACETATE	5-10

PACE ZY9151

5. – S

SECTION 2: COMPOSITION/INFORMATION ON INCREDIENTS

CAS NUMBER: 628-63-7

CHEMICAL NAME SILICA

AMORPHOUS SILICA COMMON NAME :

CAS NUMBER: 7631-86-9

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE

INHALATION, SKIN CONTACT, EYE CONTACT, INCESTION.

EFFECTS OF OVEREXPOSURE

INHALATION

PROLONGED INHALATION MAY LEAD TO LOSS OF APPETITE, MUCOUS MEMBRANG IRRITATION, FATIGUE, DROWBINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, BLURRED VISION, COUGHING, DIFFICULTY WITH SPEECH, CENTRAL NERVOUS SYSTEM DEPRESSION, AMESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF EREATHING, TREMORS, LIVER DAMAGE, KIDNEY DAMAGE, LOSS OF CONSTITUTIONESS, RESPIRATORY FAILURE, ASPHYXIATION, DEATH.

SKIN CONTACT

IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, BLISTERING, SKIN CONTACT MAY RESULT IN DERMAL ABSORPTION OF COMPONENTIS) OF THIS PRODUCT WHICH MAY CAUSE DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS,

EYE CONTACT

IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SUVERE EYE IRRITATION, CORNEAL INJURY.

INGESTION

INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, MOUTH AND THROAT IRRIGATION, DROWSINESS, HEADACHE, NAUSEA, VOMITING, DIARRIES, GASTRO-INTESTINAL DISTURBANCES, CENTRAL NER SYSTEM OFFRESSION, INTOXICATION, LIVER DAMAGE, KIDNEY DAMAGE, PULMONARY EDEMA. CENTRAL NERVOUS

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE EYE, SKIN, RESPIRATORY DISORDERS KIDNEY DISORDERS

SECTION 4: FIRST-AID MEASURES

INHALATION

REMOVE (O FRESH AIR. RESTORE AND SUPPORT CONTINUED

BREATHING.

GET EMERGENCY MEDICAL ATTENTION.

HAVE TRAINED PERSON GIVE DXYGEN IF NECESSARY. GET MEDICAL HELP FUR ANY SREATHING DIFFICULTY. REMOVE. TO FRESH AIR IF INHALATION CAUSES EYE WATERING,

SKIN CONTACT

FLUBH FROM SKIN WITH WATER. THEN WASH TH AND WATER. REMOVE CONTAMINATED CLOTHING. THEN WASH THOROUGHLY WITH SOAP

WASH CONTAMINATED CLOTHING BEFORE RE-USE.

HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

	21020								
	SECTION 4: FIRST-AID MEABURES								
EYE CONTACT	FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.								
INGESTION	IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.								
	SECTION 5: FIRE-FIGHTING MEASURES								
FLASH POINT (SETA)	60 F./ 16 C. LOWER EXPLOSIVE LIMIT 1.4 (X) LIPPER EXPLOSIVE LIMIT 11.2 (X)								
FIRE EXTINGUISHING	MEDIA DRY CHEMICAL OR FOAM WATER FOG. CARBON DIOXIDE.								
UNUSUAL FIRE AND E	XPLOBION HAZARDS CLOSED IONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE. VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK. VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES. CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE. MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.								
FIRE FIGHTING PROC	MATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS. FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS. SELF-CONTAINED BREATHING APPARATUS.								
HAZARDOUS DECOMPO	SITION OR COMBUSTION PRODUCTS  CARBON MONDXIDE, CARBON DIOXIDE, ACRID FUMES, CXYGEN.								
	SECTION 6 ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN	IN CASE MATERIAL IS RELEASED OR SPILLED COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. VENTILATE AREA WITH EXPLOSION-PROOF EDUIPMENT. SPILLS MAY								

CLEANUP.

OF PROPERLY.

PECONJUNCTED WITH ABSORBENT MATERIALS. USE NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL. IN PROPER CONTAINER. MATERIAL. IN PROPER CONTAINER. COMPLETS PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING

CLEANUP.

LARGE SMILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SMILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORMENT TO PICK UP EXCESS REBIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.

SMALL SMILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE

## SECTION 7 HANDLING AND STORAGE

#### HANDLING AND STURAGE

STORE BYLOW SOF. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

#### OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP DUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. AVOID DONDITIONS WHICH RESULT IN FORMATION OF INHALABLE PARTICLES SUCH AS SPRAYING OR ABRADING (SANDING) PAINTED SUBFORCES. IF SUCH CONDITIONS CANNOT BE AVOIDED, USE APPRUPRIATE RESPIRATORY PROTECTION AS DIRECTED UNDER EXPOSURE CONTROLS/PERSONAL PROTECTION.

EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.

GROUND SOUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### COMMON NAME : METHYL ISOBUTYL KETONE CAS NUMBER: 108-10-1 ACGIH(TNA): SO PPM DSHA(TWA): 100 PPM ACGIH(STEL): 75 PPM COMMON NAME : XYLENE CAS NUMBER: 1330-20-7 ACGIH(TWA): 100 PPM OSHA(TWA): 100 PPM ACGIH(STEL): 150 PPM COMMON NAME : TITANIUM DIDXIDE CAS NUMBER: 13463-67-7 ACGIH(TWA): 10 MG/M3 CISHA (THA): 10 MG/M3 QUARTZ COMMON NAME : CAS NUMBER: 14808-60-7 0.1 MG/M3 : CAWT) AHRO 0.1 MG/M3 COMMON NAME : ALUMINUM HYDROXIDE CAS NUMBER: 21645-51 2 ACGIH(TWA): MG/M3 DSHA(TWA): MG/M3 COMMON NAME : FORMAL DEHYDE CAS NUMBER: 50-00-0 CAWT) AHEO 0.75 FFM ACGIH(STEL): C 0.3 PPM PPM OSHA(STEL): COMMON NAME : N-AMYL ACETATE CAS NUMBER: ACGIH(TWA): 628-63-7 CAWT) AHRO 100 PPM COMMON NAME : AMORPHOUS SULICA CAS NUMBER: 7631-86-9 ACGIH (TWA) : 10 MG/M3 DSHA(TWA): MG/H3

### RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

NIOSH/MSHA (CANADIAN Z74.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAFOR CARTRIDISES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING CONSULT 29CFR1910.134 FOR APPROPRIATE AIR MONITORING. SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS. USE EXPLUSION-PROOF EQUIPMENT, USE NON-SPARKING EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, BAFETY SHOWER, SAFETY GLASSES OR GOGGLES.

IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESBURE: BOILING RANGE: XVOLATILE BY VOLUME: PHYSICAL STATE:

NOT AVAILABLE 43.20

SPECIFIC GRAVITY: 244 -295F/18-146C WEIGHT PER GALLON:

1.531 12.75/ 15.31 IMP

SOLUBILITY IN MATER:

し.エロリルな NOT AVAILABLE APPEARANCE PH:

MHITE NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS

STARL C

SEE SECITON 5 FIRE FIGHTING MEASURES

MATERIALS 70 AVOID

> OXIDITZERS, ACIDS, REDUCING AGENTS, BASES, ALDEHYDES, AMINES, NITRIC ACID.

NITRATES

CHLORINATED RUBBER

CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, SPARKS, OPEN FLAME.

IGNITION SOURCES

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

# SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : METHYL ISOBUTYL KETONE

CAS NUMBER: 108-10-1

CARCINOGENICITY LISTED BY. NTP NO IARC NO

OSHA NO

ACGIH NO

LD50:> 20.00 GM/KG LD50: 2080.00 MG/KG

SKN RBT ORL RAT

COMMON NAME : PROPYLEN: GLYCOL MONOMETHYL ETHER

CAS NUMBER: 108-65-6

CARCINOGENICITY LISTED BY: NTP NO IARC NO

OSHA NO

ACGIM NO

LDSO:> 5.00 GM/KG

SKN RET

		SECTION	11: 707	KICOL	ogical 	. IN	FORM	NOITE			
LD50:	8532.00	MGZKG	ne.	PAT							
LC50:	9532.00 4345.00	PPM	IHL.	RAT							
COMMON NAME	: XYLE	NE									
CAS NUMBER:	1330	<b>-20</b> -7									
CARCINOGENI	CITY LIS	TED BY:	NTP NO		IARC	NO		CISHA	ND	ACGIH NO	
LD50:	>1700.00 4300.00	MG/KG	SKN	RBT							
LDSO:	5000.00	MGZKC	ORL	RAT							
L000.	2000.00	PPMZAN	≺ IML	RAT							
COMMON NAME	: TITA	NIUM DT	IXIDE								
CAS NUMBER:	1346	3-67-7									
CARCINOGENI	CITY LIS	TED BY:	NTP NO		IARC	NO		OSHA	NO	ACGIH NO	
LD50:	24.00	GM/KG	ORL							HOUTH NO	
LC50:	6820.00	MG/M3/	SHE THE	RAT							
COMMON NAME	: DUAR	T>									
CAS NUMBER:	1.480	8-407									
CARCINOGENI	CITY LIS	TED BY:	NYP YES	3	IARC	YES	4	OPHA	NO	ACGIH NO	
							-	CONH	NU	ACGIH NO	
COR NUMBER	: ALUM	INUM HY	DROXIDE								
CAS NUMBER:	2164	5-51-2									
CARCINOGENI	CTIA FIR	IED BY:	NTP NO		IARC	NO		OSHA	NO	ACGIH NO	
COMMON NAME	: EPOY	Y BEGIN									
CAS NUMBER:	つてハエ	4-25.7									
CARCINOGENI	CITY LIB	TED RY:	NTP NO		TARC	MD		OPHA	110	ACGIH ND	
LD50:	>2000.00 >2000.00	MG/KG	SKN	RBT				USTIN	NU	ACGIH NO	
LD50:	>2000.00	MG/KG	ORL.	RAT							
COMMON NAME	· EDDM	AI MEUVI	-								
CAS NUMBER:	50-0	0-0									
CARCINOGENI	CITY LIS	TED BY.	NTP YES	3 Kr	TARC	YEC	20	COLLA	·	ACGIH YES	_
				RAT			4.11	USHM	TELES	ACGIH YES	3 A2
LC50:	203.00	MG/M3	IHL	PIG							
COMMON NAME	· 2_ME	THE PRINT									
CMS NUMBER:	474-	44									
CARCINOGENI	CITY LIS	TED BY:	NTP NO		TABC	NO					
					THAC	NO		USHA	ND	ACGIH NO	
COMMON NAME	: N-AM	YL ACET	ΑΤΕ								
CAS NUMBER:	628-	43-7									
CARCINOGENI	> 17.50	TED BY:	NTP NO		IARC	NO		OSHA	NO	ACGIH NO	
LD50:	7.40	GM/KG	SKN								
				RBT							
COMMON NAME	: AMOR	PHOUS 61	C.ICA								
CAS NUMBER:	7474	-04-0									
CARCINOGENI	CITY LIS	TED BY:	NTP NO		IARC	NO		OSHA	NO	ACGIH NO	
SUPPLEMENTA	L HEALTH	INFORM	NOITE								
		CONTAINS	S A CHE	4TCAL	THAT	те :	PEAR			ED THROUGH BA	
											PATN
											/4TM
			11 Killer   L1	JRUEN	IKATI	46 VI	ND IN	HALI	AC THE	E CONTENTS	
		KIDNEY,	CENTRAL	NED!	ソハリロ	2461.	EMU)	TINC	-UDE '	TOXICITY TO (	.IVER,
						- 1 - 11	G-7-				

COMMON NAME : CAS NUMBER:

COMMON NAME :

CAS NUMBER:

1330-20-7

XYLENE

50-00-0

NO

YES

YES

YES

YES

YER

NO

NO

NO

YES

VEC

# SECTION 15: REGULATORY INFORMATION

COMMON NAME : FORMAL DEFIYDS

CAS NUMBER: 628-63-7 NO NO YES NO NO

COMMON NAME : N-AMYL ACETATE

AS OF THE DATE OF THIS MEDB, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

THIS PRIDUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD UNITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MEDS CONTAINS ALL THE INFORMATION REQUIRED BY THE

# SECTION 16: OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE THE OF PREPARATION OF THIS DATA SHEET AND WHICH ICI PAINTS SELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED RECARDING THE ACCURACY OF THIS DATA. ICI PAINTS SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS ICI PAIN'S SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABLILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL. 29CFR1910.1200.